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## **CLAIMS**:

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1. A compound of the formula:

$$(X^{1})_{a}$$
 $Ar^{2}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{2}$ 
 $R^{3}$ 
 $R^{4}$ 
 $R^{2}$ 
 $R^{4}$ 
 $R^{2}$ 
 $R^{4}$ 
 $R^{2}$ 
 $R^{4}$ 
 $R^{4}$ 
 $R^{2}$ 
 $R^{4}$ 
 $R^{4}$ 

wherein R<sup>1</sup> is independently in each occurrence i) a C<sub>1-40</sub> hydrocarbyl group, ii) a C<sub>1-40</sub> hydrocarbyl group wherein one or more carbons are substituted by one or more heteroatoms selected from S, N, O, P, B or Si atoms, or iii) a halogenated derivative of iii) or iv), with the proviso that in at least one occurrence, R<sup>1</sup> is crosslinkable group;

 $R^2$  is independently in each occurrence hydrogen, halogen,  $C_{1-20}$  hydrocarbyl,  $C_{1-20}$  hydrocarbyloxy,  $C_{1-20}$  thioether,  $C_{1-20}$  hydrocarbylcarbonyloxy, di( $C_{1-20}$ hydrocarbyl)amino, or cyano;

 $Ar^1$ ,  $Ar^2$ ,  $Ar^3$  and  $Ar^4$  are independently in each occurrence  $C_{6\cdot 20}$  aromatic groups, optionally containing one or more S, N, O, P, B or Si heteroatoms, or a halo-,  $C_{1\cdot 20}$  hydrocarbyl-,  $di(C_{1\cdot 20})$  hydrocarbyl) amino-,  $C_{1\cdot 20}$  hydrocarbyloxy-,  $tri(C_{1\cdot 10})$  hydrocarbyl) siloxy- substituted derivative thereof;

a and b independently in each occurrence are 0 or 1; and

 $X^1$  and  $X^2$  independently in each occurrence are a covalent bond, O, S, SO<sub>2</sub>, CH<sub>2</sub>, C(R<sup>3</sup>)<sub>2</sub> or NR<sup>3</sup>, wherein R<sup>3</sup> is selected from the group consisting of C<sub>1-22</sub> alkyl, C<sub>1-22</sub> cycloalkyl, C<sub>6-24</sub> aryl, and C<sub>7-24</sub> aralkyl.

- 2. A compound according to claim 1 wherein R<sup>1</sup> independently each occurrence is selected from the group consisting of C<sub>1-40</sub> hydrocarbyl, C<sub>3-40</sub> hydrocarbyl containing one or more S, N, O, P, or Si heteroatoms, and the foregoing C<sub>1-40</sub> hydrocarbyl or C<sub>3-40</sub> heteroatom containing groups containing a crosslinkable group, with the proviso that in at least one occurrence, R<sup>1</sup> comprises crosslinkable group.
  - 3. A compound according to claim 1 wherein R<sup>1</sup> in at least one occurrence contains a double bond, a triple bond, a precursor capable of in situ formation of a double bond, or a heterocyclic, addition polymerizable group.

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4. A compound according to claim 1 wherein R<sup>1</sup> in at least one occurrence is selected from the group consisting of:

 $-(R^{5})_{m}-CR^{4}=CR^{4}_{2}, -(R^{5})_{m}-C\equiv CR^{4}, -(R^{5})_{m}-O(R^{5})_{m} CR^{4}=CR^{4}_{2}, -(R^{5})_{m}-O(R^{5})_{m} C\equiv CR^{4}, \\ -(R^{5})_{m}-C(O)(R^{5})_{m} CR^{4}=CR^{4}_{2}, -(R^{5})_{m}-C(O)(R^{5})_{m} C\equiv CR^{4}, -(R^{5})_{m}-OC(O)(R^{5})_{m} CR^{4}=CR^{4}_{2}, \\ -(R^{5})_{m}-OC(O)(R^{5})_{m} C\equiv CR^{4}, -(R^{5})_{m}-COO(R^{5})_{m} CR^{4}=CR^{4}_{2}, -(R^{5})_{m}-COO(R^{5})_{m} C\equiv CR^{4}, \\ -(R^{5})_{m}-O(CO)O(R^{5})_{m} CR^{4}=CR^{4}_{2}, -(R^{5})_{m}-O(CO)O(R^{5})_{m} C\equiv CR^{4},$ 

$$NR^4$$
,  $NR^5$ , and  $NR^5$ 

where

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 $R^4$  is hydrogen, halogen,  $C_{1-20}$  hydrocarbyl,  $C_{1-20}$  halohydrocarbyl, or  $C_{1-20}$  halocarbyl;  $R^5$  is  $C_{1-20}$  hydrocarbylene,  $C_{1-20}$  halohydrocarbylene, or  $C_{1-20}$  halocarbylene; and m is 0 or 1.

- 5. A compound according to claim 1 wherein R<sup>1</sup> is selected from the group consisting of: vinyl, C<sub>1-4</sub> alkylacrylate, vinylphenyl, vinylphenyloxy, maleimido, vinylbenzyl, vinylbenzyloxy, oxetanyl, 2-propynyl, trifluoroethenyl, 1-benzo-3,4-cyclobutane, and methyl-1-benzo-3,4-cyclobutane.
- 6. A compound according to claim 1 wherein R<sup>2</sup> independently each occurrence is hydrogen, C<sub>1-20</sub> hydrocarbyl, C<sub>1-20</sub> halohydrocarbyl, C<sub>1-20</sub> halocarbyl, C<sub>1-20</sub> hydrocarbyloxy, C<sub>1-20</sub> hydrocarbylthio, C<sub>1-20</sub> hydrocarbonyloxy, C<sub>1-20</sub> hydrocarbyloxycarbonyl, C<sub>1-20</sub> hydrocarbylcarbonyloxy, or cyano.
  - 7. A compound according to claim 6 wherein R<sup>2</sup> each occurrence is hydrogen.
- 25 8. A compound according to claim 1 wherein Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup> and Ar<sup>4</sup> are phenyl or phenylene, X<sup>1</sup> and X<sup>2</sup> are O or S, and a and b are 0 or 1.
  - 9. An oligomer or polymer having one or more repeating groups of the formula:

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$$(X^{1})_{a}$$
 $Ar^{2}$ 
 $R^{*}$ 
 $R^{*}$ 
 $R^{*}$ 
 $(R^{2})_{3}$ 
 $Ar^{3}$ 
 $(Ia)$ 
 $Ar^{4}$ 
 $(X^{2})_{b}$ 

wherein R\* is independently in each occurrence i) a C<sub>1-40</sub> hydrocarbyl group, iii) a C<sub>1-40</sub> hydrocarbyl group wherein one or more carbons are substituted by one or more heteroatoms selected from S, N, O, P, B or Si atoms, or iii) a halogenated derivative of i) or ii), with the proviso that in at least one occurrence, R\* is a divalent linking group formed by crosslinking of a crosslinkable group selected from i), ii) or iii) through which the repeating groups are joined;

 $R^2$  is independently in each occurrence hydrogen, halogen,  $C_{1-20}$  hydrocarbyl,  $C_{1-20}$  hydrocarbyloxy,  $C_{1-20}$  thioether,  $C_{1-20}$  hydrocarbylcarbonyloxy, di( $C_{1-20}$ hydrocarbyl)amino, or cyano;

 $Ar^1$ ,  $Ar^2$ ,  $Ar^3$  and  $Ar^4$  are independently in each occurrence  $C_{6-20}$  aromatic groups, optionally containing one or more S, N, O, P, B or Si heteroatoms, halo-,  $C_{1-20}$  hydrocarbyl-,  $di(C_{1-20}$  hydrocarbyl)amino-,  $C_{1-20}$  hydrocarbyloxy-,  $tri(C_{1-10}$  hydrocarbyl)silvy-, or  $tri(C_{1-10}$  hydrocarbyl)silvy- substituted derivatives thereof, or divalent derivatives of the foregoing;

a and b independently in each occurrence are 0 or 1; and

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 $X^1$  and  $X^2$  independently in each occurrence are a covalent bond, O, S, SO<sub>2</sub>, CH<sub>2</sub>, C(R<sup>3</sup>)<sub>2</sub> or NR<sup>3</sup>, wherein R<sup>3</sup> is selected from the group consisting of C<sub>1-22</sub> alkyl, C<sub>1-22</sub> cycloalkyl, C<sub>6-24</sub> aryl, and C<sub>7-24</sub> aralkyl.

- 10. A composition comprising an oligomer or polymer according to claim 9.
- 11. A process for preparing oligomers or polymers comprising heating a composition according to claim 1 under reaction conditions sufficient to form an oligomer or polymer having one or more groups according to claim 9.
  - 12. A composition according to claim 9 in the form of a film.
- 13. An electronic device comprising one or more layers of polymer films, at least one of which comprises a film according to claim 12.
- 30 14. An electronic device according to claim 13 which is an electroluminescent device.